

CLIMATOLOGICAL DATA FOR FEBRUARY, 1913.

DISTRICT NO. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Cold weather prevailed generally during the first decade, but during the second and third decades temperature conditions were moderate. The precipitation was well distributed throughout the month, and was generally sufficient for agricultural needs.

The following table summarizes the chief features of meteorological interest in the various portions of the district:

States and portions of States lying within District No. 7.	Mean temperature.		Departure from the normal.		Mean precipitation.		Departure from the normal.		Greatest precipitation in 24 hours.		Mean snowfall.		Number of days.			Prevailing wind direction.	
	Mean	Departure from the normal.	Mean	Departure from the normal.	Greatest	Precipitation in 24 hours.	Mean	Departure from the normal.	With 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	With 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
Colorado.....	22.8	-6.2	1.22	+0.45	2.40	17.4	6	13	7	8	w.	w.					
New Mexico.....	31.7	-5.4	0.75	+0.11	1.40	9.5	4	11	11	6							
Texas.....	35.9	-3.4	1.49	-0.11	2.14	4.9	6	11	5	12	n.	n.					
Kansas.....	27.2	-4.7	2.01	+0.90	2.03	13.0	6	12	6	10							
Oklahoma.....	34.2	-4.3	2.39	+1.45	2.52	8.0	7	11	5	12	n.	n.					
Missouri.....	33.0	-1.0	2.25	-0.66	2.20	6.8	7	13	4	11							
Tennessee.....	39.2	-0.9	4.96	+0.47	4.06	0.1	7	15	3	10							
Arkansas.....	41.0	-0.7	3.74	+0.09	3.58	2.4	8	11	6	11	ne.	ne.					
Mississippi.....	45.8	-0.4	6.23	+1.42	6.20	0.1	7	13	5	10							
Louisiana.....	51.2	-0.7	4.38	-0.53	4.02	0.1	7	12	5	11	n.	n.					

TEMPERATURE.

Mean temperatures ranged from normal to 9.3° below the normal, except that in parts of Arkansas, Louisiana, and the Tennessee and Mississippi areas there was an excess ranging from $+0.6^{\circ}$ to $+1.9^{\circ}$. Below zero temperatures were reported generally over the northern and western portions of the district, but over the southeastern portion minimum temperatures were generally above 25° . The highest temperature recorded, 89° , occurred at Lake Charles, La., and the lowest, -26° , at Salida, Colo. A minimum reading of -20° was reported from Westcliffe, Colo.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—More than the normal precipitation occurred over this drainage area, but the amounts and the departures from the normal for the different subdivisions vary considerably. Over the headwaters of the Arkansas River in Colorado, the average from 34 stations was 1.24 inches, about 0.4 inch above the normal. The average from 44 stations in those parts of the Arkansas Valley proper that lie in Kansas and Oklahoma was 2.30 inches, about 1.1 inches above the normal. Over the headwaters of the Canadian River in New Mexico, the average from 43 stations was 0.75 inch, about the normal amount. In those portions of the Canadian Valley that lie in Texas and Oklahoma, the average from 32 stations was 1.89 inches, about 1.2

inches above the normal. The average from 19 stations in the Cimarron Valley was 1.61 inches, about 1 inch in excess of the normal. Over the Verdigris Valley the average from 11 stations was 3.06 inches, about 1.6 inches above the normal, and over the Neosho Valley the average from 18 stations was 3.13 inches, about 1.3 inches above the normal. Below the Oklahoma-Arkansas line the average from 15 stations in the Arkansas Valley proper was 3.74 inches, about 0.2 inch above the normal.

Red River and tributaries.—The precipitation was unevenly distributed over this drainage area. In those portions of the Red River Valley that lie in Texas and Oklahoma the average from 45 stations was 1.63 inches, about 0.1 inch below the normal. Below the Texas-Arkansas line the average from 19 stations was 5.27 inches, about 0.3 inch above the normal.

Mississippi River south of St. Louis, and small tributaries.—The precipitation was unevenly distributed over this drainage area. In the immediate Mississippi Valley the average from 39 stations was 3.97 inches, about 0.2 inch below the normal. The average from 23 stations in the valley of the White was 2.72 inches, about 0.6 inch below the normal. Over the Yazoo Valley the average from 22 stations was 6.28 inches, about 2 inches above the normal. The average from the valley of the Big Black was 6.82 inches, about 1.3 inches above the normal. The amounts from 21 stations in the Ouachita Valley averaged 4.84 inches, about 0.8 inch above the normal.

Louisiana coastal plain.—The precipitation was unevenly distributed over this drainage area. The average from 40 stations was 3.59 inches, about 1.2 inches below the normal.

SNOWFALL.

Snow occurred generally over the northern and western portions of the district, and the amounts were heavy in most localities. In the Colorado area the snowfall over the Arkansas watershed was slightly above the normal, but there was a deficiency in Lake and Teller Counties. The average depth on the ground at the close of the month, at an average elevation of 9,400 feet, was 19 inches, this being 7 inches less than on the same date in 1912, and the least for four years. In New Mexico the snowfall in the higher mountains was exceptionally heavy, and large additions to the stored snow were made during the month. The outlook at the close of the month was for a plentiful supply of irrigation water, especially the early flow.

RIVERS.

River stages continued below the normal in Oklahoma, but there were moderate rises in the Grand and Neosho Rivers as a result of the rains of February 20 and 21.

In Kansas the rivers remained low, but with little change in the stages during the month.

The Arkansas was below the normal stage during the greater part of the month, but at Little Rock it was navigable, except from the 17th to 25th.

The upper White River was high at the beginning of the month, but fell steadily to a stage of 5 feet on the 19th.

The lower White River was below flood stage during the month.

The Mississippi River was rising somewhat from Memphis southward at the opening of the month, and stages were recorded as follows: Memphis, 40.5, 3d to 5th; Helena, 48.9, 7th and 8th; Arkansas City, 50, 11th and

12th; Vicksburg, 49, 16th to 18th; Natchez, 48.7 on the 20th; Baton Rouge, 37.2, 22d; Donaldsonville, 29.3, 22d and 23d; and New Orleans, 18.3, 19th to 22d, and a stage of 18.4 was recorded during the afternoon of the 23d.

The Ouachita at Monroe oscillated between 28.9 and 32.2 feet during the month.

On the Atchafalaya River the water was above the flood stage at Melville during the greater part of the month, the highest stage recorded being 40.5 feet from the 22d to 25th. At Simmesport flood stage prevailed from the 17th to the close of the month, the highest record being 42.2 feet from the 22d to 24th.

TABLE 1.—Climatological data for February, 1913. District No. 7, Lower Mississippi Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Colorado.</i>																					
Buena Vista.	Chaffee.	7,955	13	23.0	-2.7	54	16	-23	21	45	0.89	+ 0.22	.....	14.0	6	20	4	4	nw.	C. A. Short.
Calhan.	El Paso.	6,700	6	25	-6.0	68	16†	-4	23	52	1.13	+ 0.53	0.36	19.0	9	20	2	6	ne.	H. B. Rice.	
Canon City.	Fremont.	5,343	25	29.1	-8.1	54	16	-7	23	32	1.25	+ 0.88	0.48	14.4	12	15	4	9	se.	U. S. Weather Bureau.	
Colorado Springs.	El Paso.	6,098	33	21.4	-	54	16	-	23	32	.....	.....	.....	.....	.....	.....	.....	.....	colorado college.	F. G. Willis.
Cripple Creek.	Teller.	9,396	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	george a. mayes.	
Cuchara Camps.	Huerfano.	8,200	4	6	24.4	57	18	0	27	30	1.24	.....	0.49	17.5	9	12	11	5	sw.	Mrs. Mattie A. Kerr.
Eads.	Kiowa.	4,209	6	24.4	57	18	0	27	30	0.56	.....	0.46	8.2	2	14	8	6	6	e.	Elizabeth L. Grey.
Fairview.	Custer.	9,500	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	u. s. forest service.	
Fremont Exp. Sta.	El Paso.	8,850	3	.....	.....	.....	.....	.....	.....	.....	1.54	.....	0.34	23.5	12	15	6	7	w.	Lloyd N. Felton.
Garfield.	Chaffee.	9,510	20	19.4	-8.7	63	17	-19	23	45	0.79	+ 0.40	0.30	11.6	8	11	7	10	n.	W. Hamp.	
Hamps.	Elbert.	5,400	3	.....	.....	.....	.....	.....	.....	.....	3.56	.....	0.96	50.0	7	15	3	10	sw.	John E. Graham.
Hermit Lake.	Custer.	10,000	3	27.4	-4.3	67	16†	-17	22	56	2.56	+ 1.84	2.40	27.8	4	11	7	10	w.	S. W. De Busk.	
Hoehee (near).	Las Animas.	5,700	21	23.0	-11.6	76	17	-15	5	54	3.91	+ 3.58	2.00	16.0	5	21	2	5	e.	Holly Sugar Co.	
Holly.	Frowers.	3,380	18	17.7	-3.1	46	17	-7	12	35	0.68	-0.39	0.22	13.0	4	18	7	3	sw.	Clyde C. McReynolds.	
Lake Moraine.	El Paso.	10,265	19	17.7	-3.1	46	17	-7	12	35	1.60	+ 0.99	0.60	17.0	5	15	7	6	o.	J. T. Lawless.	
Lamar.	Frowers.	3,592	23	24.4	-8.7	69	17	-9	31	45	1.20	-1.03	0.27	14.0	6	9	5	14	.....	F. M. Tague.
Las Animas.	Bent.	3,899	45	.....	.....	.....	.....	.....	.....	.....	0.33	.....	0.13	7.0	3	10	8	10	sw.	Clara M. Wright.
La Veta Pass.	Costilla.	9,000	3	15.2	-2.9	40	16	-10	21	33	1.47	.....	0.53	27.5	5	13	5	10	w.	U. S. Weather Bureau.
Leadville.	Lake.	10,248	17	15.2	-2.9	40	16	-10	21	33	1.04	-0.53	0.24	14.1	11	5	16	7	n.	F. L. Palmer.	
Limon (near).	Elbert.	5,360	6	19.0	6	64	17	-18	23	40	0.44	.....	0.18	9.0	4	17	3	8	n.	Thos. Sawers.
Madrid.	Las Animas.	6,361	3	.....	.....	.....	.....	.....	.....	.....	0.99	.....	0.78	23.7	6	12	3	9	sw.	W. L. Williams.
Marshall Pass.	Saguache.	10,846	10	.....	.....	.....	.....	.....	.....	.....	1.20	-1.03	0.27	14.0	6	9	5	14	.....	L. H. Alberta.
Maxey.	Baca.	7,200	2	19.2	57	17	-14	22†	43†	43†	0.78	.....	1.17	6	15	3	9	9*	se.	U. S. Forest Service.
Monument.	El Paso.	7,200	2	19.2	57	17	-14	22†	43†	43†	1.92	+ 0.30	0.80	23.0	6	13	13	2	nw.	James W. Ingmire.	
North Lake.	Las Animas.	8,700	21	28.0	-7.4	65	17	-9	22	43	2.46	+ 0.62	0.69	17.2	13	10	13	5	e.	P. K. Blinn.	
Pueblo.	Pueblo.	4,734	26	24.6	-7.2	67	17	-9	24	42	1.09	+ 0.62	0.20	9.5	4	17	6	5	sw.	Daniel Clark.	
Rocky Ford (near).	Otero.	4,177	24	24.2	-7.4	68	17	-12	3	48	0.62	+ 0.25	0.20	9.5	4	16	3	9	w.	M. D. L. Buell.	
St. Elmo.	Chaffee.	9,500	4	14	25.6	-4.4	57	16	-26	21	52	1.14	+ 0.23	1.12	13.2	2	20	3	5	w.	Lincoln G. Morris.
Salida.	.....	7,035	14	25.6	-4.4	57	16	-26	21	52	1.14	+ 0.23	1.12	13.2	2	20	3	5	sw.	Howard Gamble.
Santa Clara.	Huerfano.	8,252	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. A. Storz.
Sheridan Lake.	Kiowa.	4,065	12	.....	.....	.....	.....	.....	.....	.....	0.52	.....	0.50	14.5	2	13	1	14	.....	Walter Dearden.
Stonewall.	Las Animas.	8,000	8	.....	.....	.....	.....	.....	.....	.....	1.25	.....	0.46	16.3	5	22	3	20	sw.	N. G. Jones.
Trinidad.	.....	5,994	18	28.0	-7.4	65	17	-9	22	43	1.17	+ 0.18	0.95	29.5	6	8	9	11	ne.	Walter J. Krohne.
Two Buttes.	Baca.	4,100	3	24.7	69	17	-10	5	44	0.74	.....	0.30	11.7	8	11	10	7	sw.	Fred Jones.	
Two Buttes Reservoir.	.....	4,250	4	.....	.....	.....	.....	.....	.....	.....	1.00	.....	0.70	10.0	4	9	8	11	ne.	Zack Jordan.
Victor.	Teller.	10,100	10	19.0	47	17	-4	2	36	0.73	.....	0.25	12.5	5	20	3	5	w.	John G. Payne.	
Vilas.	Baca.	3,935	23	20.0	-3.0	58	17	-20	23	52	0.68	+ 0.03	0.45	12.0	4	6	11	11	sw.	Woodman Sanatorium.	
Westcliffe.	Custer.	7,864	20	23.0	-3.0	58	17	-20	23	52	0.68	+ 0.03	0.45	12.0	4	6	11	11	sw.	George C. Wortman.	
Winfeld.	Chaffee.	9,765	4	22.9	56	16	-5	22	31	1.12	.....	0.22	16.2	10	4	16	8	w.	J. E. Bingham.	
Woodman Sanatorium.	El Paso.	11,250	13	.....	.....	.....	.....	.....	.....	.....	2.23	-1.35	0.40	35.7	10	0	10	18	sw.	Agent E. P. & S. W. R. R.
Wortman.	El Paso.	3	.....	.....	.....	.....	.....	.....	.....	.....	0.85	.....	0.35	10.0	5	15*	6*	6*	sw.	Agent E. P. & S. W. R. R.
Yoder (near).	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<i>New Mexico.</i>																					
Abbott.	Mora.	5,771	4	.....	.....	.....	.....	0	24	40	0.39	.....	0.12	6.0	5	17	6	5	s.	Agent E. P. & S. W. R. R.
Albert.	Union.	4,700	23	31.0	-7.4	67	16	8	3	43	0.48	-0.01	0.14	7.0	5	17	0	11	w.	Martin De Smet.	
Aurora.	Colfax.	8,839	4	.....	.....	.....	.....	1	8	53	0.13	-0.46	0.08	3.5	3	19	8	9	se.	Miss J. Lucero.
Ball Ranch.	San Miguel.	4,500	14	35.6	73	17	1	8	53	0.37	.....	0.20	3.0	4	9	12	7	sw.	C. M. O'Donel.	
Black Lake.	Colfax.	3,338	4	.....	.....	.....	.....	1	8	53	0.47	.....	0.15	6.0	5	8	12	8	e.	Ralph T. Martinez.
Cabeza.	San Miguel.	5,406	4	.....	.....	.....	.....	1	8	53	0.37	.....	0.38	7.2	2	3	18	7	w.	Agent E. P. & S. W. R. R.
Campana.	.....	4,493	4	36.2	66	16†	0	8	46	0.34	.....	0.15	7.2	2	3	18	7	w.	Alfred Lucero.	
Chacon.	Mora.	9,000	4	.....	.....	.....	.....	1	8	53	0.60	.....	0.37	26.0	6	9	9	10	e.	Capt. Wm. French.
Cimarron (near).	Colfax.	6,385	9	29.0	68	17	-10	22	54	1.85	.....	0.60	11.5	3	19	0	9	sw.	Dr. N. E. Charlton.	
Clayton.	Curry.	5,178	8	21	61	18	-4	2	49	0.82	.....	0.60	11.5	3	19	0	9	w.	Agent E. P. & S. W. R. R.	
Clover.	Guadalupe.	4,839	2	36.4	67	18	-4	2	49	0.82	.....	0.60	11.5	3	19	0	9	sw.	John H. Barry.	
Dawson.	.....	4,390	2	39.0	61	18	-7	7	33	0.26	.....	0.60	11.5	3	19	0	9	sw.	Miss M. Carrington.	
Elizabethtown.	Colfax.	6,396	4	29.8	65	17	-2	3	48	1.84	.....	1.40	26.5	8	2	17	9	ne.	David Roop.	
Folsom.	.....	8,465	13	21.2	56	17	-10	37	51	0.96	+ 0.00	0.33	17.0	6	13	9	6	w.	M. C. Needham.	
Fort Union.	Union.	6,399	13	27.8	66	17	-3	22†	47	0.76	+ 0.04	0.34	8.0	7	16	4	8	w.	Jas. B. Dickson.		
Hayden.	Roosevelt.	6,835	53	27.1	-7.4	62	17	-13	3	51	0.53	+ 0.06	0.28	6.0	4	18	4	6	sw.	W. H. Guthman.	
Hoosier Ranch.	.....	4,444	3	31.26	66	18	3	3	43	0.59	.....	0.14	10.0	8	6	17	5	e.	A. J. Meloche, Jr.	
Johnson Park.	Colfax.	6,722	4	27.1	62	16†	-4	22†	50	0.87	.....	0.45	10.5	6	9	9	10	e.	J. W. Johnson.	
Johnson's Ranch.	Mora.	5,784	1	.....	.....	.....	.....	1	8	53	0.40	.....	0.35	4.5	2	16	12	0	sw.	Anthony Kappus.
Kappus.	Quay.	4,010	2	.....	.....	.....	.....	1	8	53	0.40	.....	0.43	10.0	5	12	0	10	sw.	Jesse Rickman.
Lake Alice.	Colfax.	7,160	4	.....	.....	.....	.....	1	8	53	1.33	.....	1.05	23.5	4	16	4	12	sw.	John B. Reneau.
Logan.	Quay.	3,851	7	36.4	75																

TABLE 1.—Climatological data for February, 1913. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.			Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.			
Texas.																					
Amarillo.	Potter.	3,676	21	31.6	- 5.7	71	18	8	8	43	0.55	- 0.33	0.23	5.1	7	14	10	ne.	U. S. Weather Bureau. Charles H. Thurman.		
Archer City.	Archer.	590	21	9	42.2	75	17	24	8	41	1.62	- 1.58	0.50	2.0	3	8	12	ne.	C. A. Lowrey.		
Arthur City.	Lamar.	566	6	31.9	76	18	9	6	40	0.97	- 0.35	0.89	0	6	12	4	12	sw.	H. M. Norman.		
Bonham.	Fannin.	2,339	6	20	5	76	18	9	6	40	1.30	+ 0.54	0.60	7.0	7	4*	11	n.	J. M. Shaw.		
Canadian.	Hemphill.	1,869	5	5	5	76	18	9	6	40	1.90	- 1.15	0.50	6	8	15*	n.	George Baker.			
Childress.	Childress.	1,406	5	5	5	76	18	10	8	45	0.70	- 0.30	0.85	5	8	8	12	n.	A. B. Connor.		
Chillicothe.	Hardeman.	2,719	8	33.0	- 4.3	75	18	25	47	40	3.05	- 1.63	1.37	9.0	3	11	7	10	ne.	Whitfield Carhart.	
Clarendon.	Domley.	442	13	45.6*	- 4.3	75	18	- 4	3	46	0.16	- 0.05	0.70	1.6	0	6	9	0	ne.	J. W. O'Neill.	
Clarksville.	Armstrong.	3,397	8	28.2	-	70	18	- 4	3	46	1.93	- 0.93	0.70	4	7	15	0	13	s.	Ft. W. & D. C. Ry.	
Claude.	Dallam.	3,998	13	3	3	70	18	- 4	3	46	3.68	- 0.58	1.00	0	7	13	0	15	n.	W. D. Griggs.	
Dalhart.	Grayson.	915	21	41.0	- 1.8	76	18	21	13	40	0.47	- 0.35	0.35	0.5	4	8	12	8	sw.	J. L. Wilson.	
Denison.	Bowie.	2,067	8	39.6	-	80	18	19	19	53	0.45	- 0.12	0.20	4.5	3	6	2	12	n.	Robert L. Smith.	
Finley.	Clay.	2,743	10	32.6	-	73	19	8	3	41	0.99	- 0.40	0.40	7.4	7	11	5	12	n.	C. K. Brown.	
Jefferson.	Marion.	5	-	-	-	-	-	-	-	-	0.80	-	-	8.0	2	-	-	-	ne.	J. C. Kistenmacher.	
Memphis.	Hall.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ne.	Ft. W. & D. C. Ry.	
Miami.	Roberts.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ne.	J. E. Kinney.	
Ochiltree.	Ochiltree.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ne.	S. J. Allen.	
Panhandle.	Carson.	3,450	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ne.	J. Sid O'Keefe.	
Paris.	Lamar.	592	24	42.4	- 1.4	74	17	25	87	40	2.64	+ 0.58	0.65	0.2	12	8	5	15	n.	Robert A. Miller.	
Plemons.	Hutchinson.	6	30.2	-	-	74	18	0	3	49	0.63	- 0.17	0.22	6.5	8	14	3	11	ne.	C. S. Solomon.	
Quanah.	Hardeman.	1,563	11	37.4	- 3.2	78	18	12	2	36	0.56	-	0.17	0.30	5.6	5	15	1	12	ne.	William H. Crawford.
Ringo Crossing.	Hopkins.	3	-	-	-	-	-	-	-	-	3.48	-	-	0.60	0	6	12	1	15	e.	H. J. Palmer.
Romero.	Hartley.	4,056	3	32.3	-	70	18	- 5	3	48	0.76	-	0.50	0.60	6	6	16	6	6	e.	R. S. Chamberlain.
Sherman.	Grayson.	745	20	42.5	- 4.4	72	17	24	8	34	1.63	- 0.90	0.70	T.	5	9	5	14	n.	R. A. Gibbs.	
Stratford.	Sherman.	3,699	1	29.5	-	74	18	- 2	3	50	0.85	-	0.30	0.30	6	9	10	9	s.	J. W. Elliott.	
Tulia.	Swisher.	3,501	15	33.8	- 3.3	75	18	1	3	43	0.91	- 0.04	0.26	6.5	4	6	13	9	e.	Lou Mulhall.	
Wellington.	Collingsworth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ne.	J. D. Camp.	
Wichita Falls.	Wichita.	958	21	1	-	-	-	-	-	-	1.42	-	-	7.2	5	-	-	-	-	ne.	J. C. Mytinger.
Winfield.	Titus.	3	-	-	-	-	-	-	-	-	3.33	-	-	1.67	2.0	6	9	12	7	nw.	J. B. Newberry.
Kansas.																					
Alden.	Rice.	1,684	3	-	-	75	18	- 2	67	40	1.22	-	0.38	16.0	8	14	5	9	nw.	Geo. Klady.	
Anthony.	Harper.	1,329	16	28.4	-	75	18	- 4	6	50	1.50	+ 0.69	0.49	16.0	7	8	7	13	sw.	R. H. Beebe.	
Ashland.	Clark.	1,351	25	27.6	- 5.9	75	18	- 4	6	50	1.50	+ 0.59	0.40	15.0	7	15	6	7	n.	C. W. Carson.	
Burlington.	Conway.	1,010	20	27.8	- 2.2	74	17	- 8	24	24	4.86	+ 2.47	1.96	15.5	5	13	11	11	s.	O. E. Sanford.	
Chanute.	Neosho.	940	9	29.8	-	74	18	0	24	38	5.06	-	1.00	8.5	9	4	16	8	nw.	C. W. Brown.	
Cimarron.	Gray.	2,700	1	24.4	-	70	16	- 7	24	45	1.40	-	0.60	14.0	6	14	6	14	sw.	O. C. Isely.	
Coffeyville.	Montgomery.	747	3	-	-	74	17	-	-	-	2.71	-	1.08	7.6	8	8	10	10	s.	A. F. Briggs.	
Coldwater.	Comanche.	2,090	16	26.6	- 6.6	73	18	- 1	24	39	0.87	- 0.19	0.30	14.0	6	12	8	8	n.	J. L. Stanley.	
Columbus.	Cherokee.	898	23	30.5	- 2.5	69	17	0	4	37	3.46	+ 1.31	2.06	12.5	9	12	3	13	n.	O. E. Skinner.	
Coolidge.	Hamilton.	3,348	16	-	-	-	-	-	-	-	1.55	-	1.50	14.0	4	8	15	5	ne.	W. R. Padley.	
Cottonwood Falls.	Chase.	1,234	9	26.0	-	74	17	- 14	24	45	2.60	-	0.50	13.5	8	14	2	12	n.	E. B. Greene.	
Council Grove.	Morris.	1,234	4	26.6	-	75	17	- 13	24	45	1.54	-	0.35	13.8	6	13	6	9	sw.	J. P. Blackledge.	
Cunningham.	Kingman.	1,680	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ne.	W. H. Morton.	
Dodge City.	Ford.	2,513	39	24.8	- 6.3	69	16	- 6	24	42	0.68	- 0.03	0.28	11.5	9	10	11	7	n.	U. S. Weather Bureau.	
Eldorado.	Butler.	1,291	11	27.4	-	71	17	- 10	24	41	3.00	-	0.85	14.4	6	15	5	8	s.	W. Y. Miller.	
Ellinwood.	Barton.	1,790	38	26.3	- 2.8	74	17	- 12	24	48	1.38	+ 0.23	0.32	17.7	8	14	8	8	nw.	Martin Musil.	
Emporia.	Lyon.	1,138	32	26.2	- 4.7	76	17	- 8	24	45	2.88	+ 1.50	0.77	25.0	7	11	6	11	sw.	W. H. Boyles.	
Eureka.	Greenwood.	1,079	17	29.4	-	71	17	- 5	24	37*	3.70	+ 2.29	1.05	12.0	6	5	5	6	ne.	Mrs. T. C. Peffer.	
Fall River.	do.	925	17	29.4	- 4.0	74	17	- 5	24	43	3.82	+ 2.40	1.30	12.0	6	10	13	8	n.	J. McDaniel.	
Fargo.	Seward.	3	-	-	-	-	-	-	-	-	0.50	-	0.20	5.0	4	14	11	3	nw.	N. B. Swink.	
Frederia.	Wilson.	975	10	29.9	-	74	17	- 2	24	37	2.19	-	0.79	9.0	8	14	2	12	nw.	U. S. Weather Bureau.	
Garden City.	Finney.	2,836	24	25.2	- 4.0	70	17	- 14	24	50	1.15	+ 0.16	0.60	13.5	6	13	8	7	n.	W. F. Stocks.	
Great Bend.	Barton.	1,850	4	-	-	-	-	-	-	-	0.96	-	0.32	13.8	7	14	6	8	sw.	I. Pritchard.	
Greensburg.	Kiowa.	2,235	6	26.8	-	70	16	- 6	24	45	1.90	-	0.50	17.0	6	18	8	10	ne.	C. C. Raymond.	
Grenola.	Elk.	1,116	25	29.3	- 2.3	74	17	- 2	6	37	2.78	+ 1.29	0.90	8.5	7	14	1	13	n.	W. H. Lawyer.	
Howard.	do.	1,112	6	28.4	-	73	17	- 5	6	41	3.07	-	1.19	8.5	7	14	1	13	n.	J. W. Eby.	
Hutchinson.	Reno.	1,535	23	26.4	- 4.6	74	17	- 11	24	44	3.49	+ 2.15	1.00	18.5	14	1	13	13	sw.	Sheridan Plough.	
Independence.	Montgomery.	800	39	30.8	- 4.3	74	17	- 5	6	42	2.84	+ 0.79	1.75	10.0	9	13	2	13	n.	F. L. Kenoyer.	
Iola.	Allen.	984	7	27.8	- 4.2	72	17	- 3	24	41	2.93	+ 1.82	1.41	12.3	9	12	4	12	n.	U. S. Weather Bureau.	
Irene.	Hamilton.	3,440	3	24.3	-	70	16	- 9	24	37	4.9	+ 1.55	0.70	15.5	7	15	5	10	nw.	N. M. Herbig.	
Jetmore.	Hodgeman.	2,268	12	24.5	- 6.5	70	16	- 9	24	48	0.47	- 0.50	0.28	11.5	7	11b	9b	6b	ne.	James Alkin.	
Kingman.	Kingman.	1,504	5	26.8	-	73	18	- 6	24	41	1.81	-	0.52	17.0	6	12	7	9	n.	B. B. Anawalt.	
La Crosse.	Rush.	2,061	11	25.5	- 4.1	73	16	- 9	24	50	0.28	- 0.75	0.15	4.5	3	16	7	5	ne.	Rodney Torrey.	
Lakin.	Kearny.	2,993	23	22.6	- 6.9	69	16	- 11	5	46	0.50	- 0.01	0.32	10.0	5	14	11	3	ne.	C. H. Longstreth.	
Larned.	Pawnee.	2,096	28	26.4	-	72	18	- 11	24	47	1.05	+ 0.20	0.53	12.5	6	16	4	8	n.	H. H. Wolcott.	
Lebo.	Coffey.	1,138	27	26.9	- 3.4	72	17	- 8	24	40	3.10	+ 1.44	1.04	11.2	6	12	4	12	n.	J. J. Bowman.	
Le Roy.	do.	990	4	-																	

TABLE 1.—Climatological data for February, 1913. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Oklahoma.</i>																				
Ada.	Pontotoc.	1,001	5	37.8	.....	75	17	-16	1	1.46	.....	0.92	5.4	5	11	4	13	n.	H. P. Sugg.	
Alva.	Woods.	1,350	8	28.4	.....	75	18	5	40	3.55	.....	1.00	26.0	10	8	10	10	n.	S. A. Stech.	
Apache.	Caddo.	1,255	3	34.3	.....	75	18	6	8	2.01	.....	0.95	3.5	9	12	6	10	ne.	G. D. Teeter.	
Arapaho.	Custer.	1,575	19	31.6	-5.5	75	10	5	50 ^b	2.91	+ 2.25	1.00	12.0	5	9 ^b	14 ^b	n.	J. C. Brower.		
Ardmore.	Carter.	872	11	40.0	-2.8	75	17	8	36	1.39	-0.42	0.80	0	10	3	15	n.	H. T. Nisbett.		
Bartlesville.	Washington.	687	5	33.6	.....	77	17	5	6	3.77	.....	1.57	16.5	7	14	0	14	nw.	Dr. A. P. Owens.	
Beaver.	Beaver.	2,500	16	29.7	-3.5	71	18	-1	4	4.45	1.19	+ 0.78	0.40	11.9	8	16	2	10	nw.	W. C. Frazer.
Blackburn.	Pawnee.	800	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	n.	Mrs. Bertha Parks.	
Cache.	Comanche.	1,350	7	35.4	.....	74	18	6	8	1.60	.....	0.73	2.0	4	12	5	11	n.	Mrs. Frank Rush.	
Calvin.	Hughes.	713	8	.....	.....	.....	.....	.....	.....	2.59	.....	1.75	2.7	7	11	0	17	n.	Thomas Purcell.	
Chandler.	Lincoln.	865	11	35.6	-2.6	74	17	12	4	3.5	2.52	+ 1.34	1.91	5.1	7	13	2	13	n.	Chas. L. Kern.
Chattanooga.	Comanche.	1,150	7	36.0	.....	75	18	11	1	1.73	.....	0.85	3.0	8	11	3	14	n.	Squire Humble.	
Chickasha.	Grady.	1,081	11	.....	.....	.....	.....	9	8	1.82	+ 0.60	0.77	6.6	6	10	10	8	ne.	J. C. Good.	
Cloud Chief.	Washita.	1,400	11	.....	.....	.....	.....	.....	.....	1.63	-0.31	0.75	0	6	10	8	10	n.	J. P. Stutzman.	
Crawford.	Roger Mills.	643	11	40.0	-1.9	75	17	21	3	3.7	1.57	0.86	3.5	6	13	7	8	ne.	W. W. Blackburn.	
Durant.	Bryan.	1,450	6	36.6	.....	78	18	14	2	4.46	.....	.....	.....	.....	.....	.....	.....	n.	Nelson Houk.	
Eldorado.	Jackson.	1,450	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	n.	T. W. Lanham.	
Elk City.	Beckham.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	n.	R. J. Carlile.	
El Reno.	Canadian.	1,400	21	34.0	-2.4	77	16	20	3	46	3.00	+ 1.74	1.80	9.5	6	6	14	8	n.	Rose E. Walker.
Enid.	Garfield.	1,269	11	30.1	-6.6	73	17	1	3	2.19	+ 1.20	1.40	7.9	5	13	8	7	n.	Uri B. Worcester.	
Erick.	Beckham.	2,058	8	34.0	.....	79	18	10	2	4.45	1.37	0.63	9.2	6	10	9	9	s.	A. W. Hanes.	
Eufaula.	McIntosh.	506	.....	38.3	.....	75	17	13	8	4.40	2.72	2.00	2.2	5	11	3	14	n.	R. Uhl Brown.	
Fairland.	Ottawa.	839	13	33.8	-3.1	74	17	3	6	3.69	+ 2.15	1.85	8.8	8	6	6	14	n.	C. W. Prier.	
Fort Gibson.	Muskogee.	550	8	.....	.....	.....	.....	.....	.....	2.77	.....	1.75	3.0	7	10	1	17	n.	John T. Welsh.	
Frederick.	Tillman.	1,293	6	37.5	.....	75	18	13	8	4.44	1.99	0.85	4.3	5	12	2	14	ne.	B. B. Bradley.	
Geary.	Blaine.	1,546	1	32.2	.....	73	18	9	4	3.11	.....	0.85	14.2	9	10	4	14	sw.	O. P. Ruth.	
Goodwell.	Texas.	3,300	2	29.9	.....	72	18	1	8	4.42	0.90	0.30	9.0	6	17	1	10	s.	S. W. Black.	
Guthrie.	Logan.	1,000	20	33.8	-4.0	75	17	6	5	4.45	4.30	+ 3.33	1.25	13.0	6	13	0	15	n.	S. E. Snyder.
Guymon.	Texas.	3,133	3	.....	.....	.....	.....	.....	.....	1.25	.....	0.50	9.1	5	18	5	5	ne.	A. L. Mordt.	
Hartshorne.	Pittsburg.	700	14	42.0	-1.2	78	17	18	8	4.43	3.21	+ 0.57	2.01	4.0	7	11	7	10	n.	Frank Webber.
Healdton.	Carter.	900	19	37.8	-4.0	77	18	13	8	4.48	1.88	+ 0.61	1.26	T.	4	5	15	5	n.	C. H. Heald.
Helena.	Alalfa.	1,396	5	29.0	.....	77	18	-1	4	3.7	2.39	.....	0.83	11.4	8	9	9	10	n.	J. G. McCall.
Hennessey.	Kingfisher.	1,166	18	31.1	-7.1	75	7	9	1	3.73 ^b	1.78	+ 0.48	0.50	12.0	6	17	5	17	n.	Mrs. M. C. Parks.
Hobert.	Kiowa.	1,396	10	34.5	.....	76	18	6	8	4.43	1.87	.....	1.08	5.0	7	9	11	n.	J. M. Pate.	
Holdenville.	Hughes.	900	12	37.4	-2.3	74	17	14	8	3.38	2.90	+ 1.46	1.20	6.0	9	9	8	11	n.	Eula Rutherford.
Hooker.	Texas.	3,038	7	27.0	.....	72	18	-4	4	4.49	0.69	.....	0.40	6.9	6	7	2	19	n.	H. N. Kelly.
Hugo.	Choctaw.	412	2	41.2	.....	74	17	21	28	3.7	2.29	.....	0.80	0.2	11	13	4	11	s.	G. C. Montgomery.
Hurley.	Cimarron.	4,200	5	27.4	.....	67	17	-1	24	4.49	0.90	.....	0.50	9.0	3	1	20	7	n.	Dr. C. W. Meyers.
Idabel.	McCurtain.	474	4	.....	.....	.....	.....	.....	.....	1.85	.....	1.60	2.5	4	0	15	0	15	n.	M. L. Henderson.
Jefferson.	Grant.	1,062	19	28.2	-7.2	74	18	-9	4	4.42	2.65	+ 1.83	1.00	13.0	7	11	5	12	n.	T. E. Beck.
Kenton.	Cimarron.	4,000	12	28.8	-7.0	71	17	3	4	4.47	1.17	+ 0.53	0.40	11.7	8	8	9	11	n.	Wm. H. Guy.
Kingfisher.	Kingfisher.	1,046	16	33.6	-4.9	74	16 ^b	4	4	4.42	3.45	+ 2.18	2.19	23.7	7	9	7	12	n.	J. C. Cross.
Lawton.	Comanche.	1,111	.....	36.9	.....	75	18	15	1	4.40	2.54	.....	1.50	9.0	7	12	9	7	n.	F. C. Davis.
Lawtonka Lake.	do.	698	16	39.8	.....	76	17	18	8	3.6	1.85	.....	1.60	2.5	4	0	15	0	n.	W. F. Stuart.
McAlester.	Pittsburg.	698	20	32.0	-9.3	80	18	11	28	50	1.50	+ 0.43	0.50	5.5	7	8	9	11	n.	Wm. Noble.
Mangum.	Greer.	1,555	20	35.2	-4.1	71	18 ^b	10	4	4.44	0.53	-0.63	0.21	2.0	3	12	0	16	n.	F. D. Dodson.
Marlow.	Stephens.	1,292	12	35.2	.....	80	18	-8	4	4.47	0.80	.....	0.30	8.0	4	13	0	15	n.	Wm. B. Anthony.
May.	Harper.	1	27.8	.....	.....	.....	.....	9	1	5.5	3.09	+ 2.03	1.80	11.0	6	12	5	11	n.	G. C. Gray.
Meeker.	Lincoln.	1,030	19	39.6	+ 1.0	82	18 ^b	17	9	4.47	2.52	.....	1.54	3.1	9	9	2	17	n.	Dr. J. H. Baugh.
Muskogee (1).	Muskogee.	617	14	35.7	.....	72	18	16	1	3.88	3.09	+ 1.64	1.85	5.0	5	10	16	n.	J. Harry Randall.	
Muskogee (2).	do.	614	14	37.6	-1.4	75	17	14	4	4.36	2.49	.....	0.73	10.3	7	9	11	8	n.	U. S. Weather Bureau.
Mutual.	Woodward.	5	30.1	.....	.....	78	18	0	5	4.41	2.10	.....	1.00	12.0	3	11	2	15	n.	Thos. Martin.
Neola.	Caddo.	7	34.3	.....	.....	76	18	10	8	4.41	1.69	.....	0.82	4.3	8	9	7	12	n.	R. N. Schooling & Co.
Newkirk.	Kay.	1,500	15	31.2	-4.3	75	17	7	3	4.45	3.65	+ 2.53	0.95	17.0	7	13	2	13	n.	P. H. Albright & Co.
Norman.	Cleveland.	1,149	15	31.2	-4.3	75	17	9	4	4.41	2.38	+ 1.39	0.89	10.7	10	10	7	11	n.	S. E. Boyd.
North Muskogee.	Muskogee.	1,770	18	35.0	-4.4	73	16 ^b	1	4	4.48	2.48	.....	1.73	3.0	6	10	0	18	n.	J. E. Walker.
Oakwood.	Dewey.	1,864	3	31.4	.....	78	18	-1	4	3.55	2.41	.....	0.73	10.3	7	9	11	8	nw.	Dr. F. P. Osborn.
Okeene.	Blaine.	1,194	1	35.4	.....	78	17	14	1	4.48	2.15	.....	1.45	4.0	3	10	6	12	n.	Dr. L. H. Murdoch.
Okenah.	Oktuskee.	1,247	23	32.4	-6.1	72	18	12	1	3.2	2.72	+ 1.74	1.38	12.9	10	8	6	14	n.	S. F. Smith.
Oklahoma.	Oklahoma.	1,247	23	32.4	-6.1	71	17	12	1	4.42	3.43	.....	1.35	5.2	5	11	1	16	n.	U. S. Weather Bureau.
Okmulgee.	Okmulgee.	752	8	38.6	.....	81	16	12	4	4.42	3.43	.....	1.35	5.2	5	11	1	16	n.	J. L. Maynard.
Pauls Valley.	Garvin.	880	12	36.6	-4.9	74	17	12	4	50	1.16	+ 0.15	0.53	4.0	7	12	11	5	n.	A. M. Foss.
Pawhuska.	Osage.	918	12	32.8	-5.0	80	18	-1	4	3.39	4.30	+ 2.53	1.70	13.0	6	11	6	11	s.	R. C. Block.
Perry.	Noble.	920	14	32.6	-4.1	74	16	1	4	4.48	3.10	+ 1.92	2.00	9.0	6	12	8	13	s.	S. E. Laird.
Rankin.	Rogers Mills.	2,200	9	30.6	.....	76	18	6	1	4.40	1.32	.....	0.40	12.7	8	13	0	15	sw.	Roy Kagay.
Ravia.	Johnston.	796	10	33.2	.....	76	17	16	8											

TABLE 1.—Climatological data for February, 1913. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Missouri—Continued.																				
Joplin.....	Jasper.....	979	35	33.4	- 3.2	74	17†	6	6	37	3.31	+ 1.00	2.20	10.5	5	11	3	14	nw.	Joplin High School.
Koshkonong.....	Oregon.....	911	13	36.5	+ 0.1	75	17	8	1	31	2.62	- 0.53	0.78	8.0	6	11	6	11	nw.	J. W. Hitt.
Lamar.....	Barton.....	964	33	30.2	- 3.9	72	17	6	52	2.65	+ 0.30	1.32	9.0	6	9	5	13	2	w.	E. H. Adams.
Marble Hill.....	Bollinger.....	420	22	35.8	+ 1.2	70	19	6	4	49	1.05	- 2.62	0.30	5.0	5	13	13	2	n.	A. F. Hendrix.
Mountaintrove.....	Wright.....	1,490	15	33.6	+ 0.3	68	18	2	6	33	1.29	- 1.52	0.59	6.5	6	11	2	15	nw.	Mo. Fruit Exp. Sta.
Mount Vernon.....	Lawrence.....	1,480	34	31.6	- 1.9	72	17	-	6	37	2.89	+ 0.05	1.04	9.3	8	13	3	13	sw.	J. R. White & Son.
Neosho.....	Newton.....	1,023	31	33.9	+ 0.1	74	17	0	4†	40	4.78	+ 2.26	1.82	10.0	9	13	1	14	n.	W. O. Buck.
New Madrid.....	New Madrid.....	285	20	32.0	+ 0.3	70	18	1	6	34	1.13	- 1.45	0.39	7.5	6	9	9	10	nw.	Miss Josie Smith.
Oakfield.....	Franklin.....	793	22	32.0	+ 0.3	70	18	1	6	34	1.13	- 1.45	0.39	7.5	6	9	9	10	w.	E. E. Steines.
Olden.....	Howell.....	1,246	32	31.8	- 4.1	72	17	0	4†	39	1.12	- 1.32	0.41	10.2	8	13	3	12	n.	J. D. Evans.
Rolla.....	Phelps.....	1,139	26	30.9	- 2.7	69	17	4	1	25	2.40	+ 0.13	1.37	9.7	10	12	3	13	w.	Prof. P. J. Wilkins.
Springfield.....	Greene.....	1,350	26	30.9	- 2.7	69	17	4	1	25	2.40	+ 0.13	1.37	9.7	10	12	3	13	n.	U. S. Weather Bureau.
Kentucky.																				
Blandville.....	Ballard.....	445	32	36.2	- 0.2	69	18	10	13	27	2.75	- 2.01	0.73	1.2	8	10	8	10	se.	E. W. Horr.
Tennessee.																				
Arlington.....	Shelby.....	31	30	38.6	- 0.7	70	18	15	13	37	6.75	+ 2.66	4.00	0.2	8	17	1	10	n.	A. Thomas B. Ethridge.
Bolivar.....	Hardeman.....	450	20	39.6	- 0.7	69	17	15	13	31	5.38	- 1.78	2.69	1.0	9	15	5	10	ne.	Miss Mary A. Smith.
Brownsville.....	Haywood.....	361	31	39.6	- 2.0	67	17†	18	13	28	2.84	- 1.78	1.75	0	5	18	0	10	n.	Miss Hattie M. Moses.
Covington.....	Tipton.....	311	30	39.4	- 1.6	73	17†	12	1	35	4.55	+ 0.35	2.20	T.	4	19	0	10	n.	James S. Ruffin.
Dyersburg.....	Dyer.....	310	30	38.6	- 1.6	73	17†	14	13	35	4.97	+ 1.53	1.40	0.2	7	14	4	10	n.	Miss Martha A. Sinclair.
Jackson.....	Madison.....	450	23	40.7	- 0.4	73	17	14	13	35	5.02	+ 0.66	2.15	T.	7	13	3	12	n.	Shelby A. Robert.
Kenton.....	Obion.....	325	11	38.7	- 0.9	78	19	12	13	35	5.23	+ 0.88	3.00	0	9	10	5	13	n.	George S. Martin.
Memphis.....	Shelby.....	409	42	42.0	- 1.3	71	17	20	13	22	5.23	+ 0.45	1.98	T.	8	14	1	10	n.	U. S. Weather Bureau.
Milan.....	Gibson.....	440	31	37.7	- 1.6	69	18†	14	13	35	5.54	+ 0.45	2.62	T.	5	14	4	10	n.	Orlando F. Cantwell.
Trenton.....	do.....	345	33	39.1	- 0.8	72	17	14	13	46	4.87	+ 0.19	1.53	T.	6	13	6	9	s.	F. L. Dennison.
Union City.....	Obion.....	360	18	39.0	0.0	70	18†	13	13	35	4.43	- 0.25	1.53	T.	6	13	6	9	s.	J. R. Oliver.
Arkansas.																				
Alicia.....	Lawrence.....	8	20	40.1	- 0.2	72	17	16	1	35	3.45	- 0.22	2.05	T.	4	13	11	4	s.	McCullough & Guelck.
Amity.....	Clark.....	250	20	42.6	+ 1.3	75	17	20	14	44	3.70	- 0.22	1.32	0.5	6	13	6	9	e.	J. W. Campbell.
Arkansas City.....	Deshaw.....	145	28	39.6	- 1.6	73	17	14	13	31	5.90	+ 1.54	3.58	0	6	13	5	10	ne.	W. C. Blundell.
Batesville.....	Independence.....	271	9	40.1	- 0.2	76	17	19	13	40	3.15	- 0.06	0.90	0	8	10	3	15	n.	Lelia I. Teter.
Bee Branch.....	Van Buren.....	20	20	40.1	- 0.2	76	17	19	13	40	3.15	- 0.06	0.70	1.0	1	10	3	15	n.	J. E. Scanlon.
Benton.....	Saline.....	283	5	41.6	- 1.6	77	17	20	14	46	4.64	- 0.46	1.30	0	7	10	3	14	n.	P. B. Jackson.
Bentonaville.....	Beaumont.....	1,303	7	34.0	- 4.5	72	17	9	6	31	3.90	+ 0.48	2.01	8.2	10	11	3	14	n.	U. S. Weather Bureau.
Bergman.....	Boone.....	1,324	14	36.1	+ 1.3	77	17	8	6	34	1.54	- 1.33	0.52	5.0	7	12	3	13	nw.	John T. Maxey.
Black Rock.....	Lawrence.....	239	9	41.0	- 1.0	71	17	21	13	41	2.43	- 0.38	0.74	1.0	8	10	5	13	n.	S. J. Howe.
Brinkley.....	Maurice.....	226	23	42.4	+ 0.6	77	17	21	13	37	5.46	+ 1.75	2.16	0.9	8	10	5	13	n.	H. L. D. Whitson.
Calico Rock.....	Izard.....	361	9	40.1	- 0.2	76	17	21	13	37	0.95	- 0.25	0.25	0	5	10	3	15	n.	W. H. Stoner.
Camden.....	Ouachita.....	158	28	44.7	- 1.0	79	17	20	14	48	5.59	+ 1.54	1.86	0.2	10	10	3	15	n.	R. H. Quarterman.
Centerpoint.....	Howard.....	470	13	44.0	- 1.6	75	17	24	14	39	3.56	- 0.46	1.18	1.0	8	8	6	14	n.	J. M. Huddleston.
Clarendon.....	Monroe.....	171	9	41.7	- 1.0	72	17	13	13	35	4.82	- 0.63	2.20	0.5	9	10	3	15	n.	Mrs. B. E. Bishop.
Couway.....	Faulkner.....	309	30	41.0	- 1.0	77	17	21	13	41	3.41	- 0.63	1.00	1.0	9	10	3	15	n.	G. H. Burr.
Corning.....	Clay.....	293	21	41.0	- 1.0	72	17	12	13	35	2.21	- 1.63	0.39	6.5	9	10	5	13	n.	Jacob Brobst.
Dardanelle.....	Yell.....	330	27	42.0	- 2.7	76	17	21	13	42	2.43	- 0.81	0.90	2.0	9	10	5	13	n.	A. Bernard.
Dodd City.....	Marion.....	1,175	33	35.7	- 2.2	76	16	8	6	46	1.65	- 1.63	0.40	4.5	7	11	4	13	nw.	Neal Dodd.
Dumas.....	Dumas.....	1	1	40.1	- 0.2	76	17	21	13	37	5.53	- 0.25	2.50	0	7	18	5	13	n.	Lawrence Waterman.
Dutton.....	Madison.....	10	35.1	40.1	- 0.2	72	17	7	13	43	3.02	- 0.25	0.75	5.5	7	12	3	13	n.	J. M. Ricketts.
Eldorado.....	Union.....	265	9	44.8	- 1.6	75	17	23	14	42	4.32	- 0.27	2.07	0.2	10	10	3	15	n.	Jeff J. Babb.
England.....	Lonoake.....	6	6	41.7	- 1.0	70	19	23	13	36	5.12	- 0.27	1.70	1.0	8	9	5	13	n.	J. C. Chenault.
Eureka Springs.....	Carroll.....	1,465	11	37.6	- 1.0	72	16	9	1	38	2.08	- 1.03	0.69	5.0	6	8	7	13	sw.	George W. Nicholds.
Fayetteville.....	Washington.....	1,551	26	36.7	- 1.5	74	17	12	1	32	2.58	+ 0.14	1.04	5.0	8	9	9	13	n.	University of Arkansas.
Fordyce.....	Dallas.....	2	24	44.4	- 2.7	75	17	23	14	39	5.78	- 0.10	2.40	0	7	8	13	7	s.	J. B. Atkinson.
Fort Smith.....	Sebastian.....	481	31	39.1	- 2.7	75	17	21	1	35	2.64	- 0.10	0.66	7.0	12	10	1	17	e.	U. S. Weather Bureau.
Fraziers Turnpike.....	Pulaski.....	2	24	44.4	- 2.7	75	17	21	1	35	4.59	- 0.10	1.35	1.5	9	6	8	14	s.	R. E. Brown.
Fulton.....	Fulton.....	264	9	41.6	- 1.0	73	17	16	13	36	4.46	- 0.10	1.54	1.0	9	10	5	13	n.	B. C. Logan.
Georgetown.....	White.....	200	1	37.6	0	74	17	11	17	33	3.34	- 0.19	0.50	4.8	8	8	5	15	sw.	C. A. Caywood.
Hardy.....	Sharp.....	643	15	37.6	0	74	17	11	17	33	1.92	- 0.19	0.50	4.8	8	8	5	15	n.	J. B. McLeod.
Helena.....	Phillips.....	182	31	42.2	- 1.9	73	19	23	13	33	4.36	- 0.51	2.05	T.	7	7	9	10	n.	Army and Navy Gen. Hosp.
Hot Springs.....	Garland.....	600	22	44.8	- 1.3	76	19	25	17	36	3.39	- 0.58	2.10	0	6	16	3	9	n.	C. A. Berry.
Huttig.....	Craighead.....	85	6	46.8	- 1.3	77	17	22	14	35	3.91	- 0.58	2.10	0	6	16	3	9	n.	Benedictine Sisters.
Jonesboro.....	Union.....	345	17	40.3	+ 1.6	82	19	15	14	35	5.40	+ 1.19	1.90	T.	7	7	9	10	nw.	J. A. Lowderback.
Junction.....	Union.....	19																		

TABLE 1.—*Climatological data for February, 1913. District No. 7—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.		
<i>Mississippi.</i>																			
Anguilla.....	Sharkey.....	107	5	47.6	.....	73	17	25	14	30	10.00	.....	6.20	0	7	11	7	10	ne.
Austin.....	Tunica.....	200	17	44.0	+ 1.0	75	17	21	13	35	6.14	+ 1.82	2.84	0.3	8	12	4	12	ne.
Batesville.....	Panola.....	230	26	43.7	+ 0.8	77	17	20	14	39	5.02	+ 0.94	2.80	0	7	14	1	13	n.
Big Creek.....	Calhoun.....	.....	43.2	.....	73	17	20	14	38	7.39	.....	2.75	0	8	15	2	11	ne.	
Canton.....	Madison.....	228	23	48.2	- 0.1	74	17	25	14	37	5.09	- 0.18	1.92	0	8	13	3	12	ne.
Charleston.....	Tallahatchie.....	.....	48.4	48.4b	.....	74	17	20	14	38	6.04	.....	3.20	0.5	7	17	0	11	n.
Clarksdale.....	Coahoma.....	177	6	43.0	.....	76	17	23	13	42	5.09	.....	2.10	0.5	8	9	4	15	n.
Cleveland.....	Bolivar.....	160	.....	.....	.....	.....	.....	.....	.....	5.87	.....	3.20	0.4	9	13	0	15	.....
Coffeeville.....	Yalobusha.....	241	4	41.0	+ 1.7	74	17	16	13	38	5.22	+ 0.72	2.68	T.	7	14	1	13	n.
Corinth.....	Alcorn.....	470	25	41.0	+ 1.7	74	17	16	13	38	5.23	.....	2.30	0	6	13	2	12	s.
Crenshaw.....	Panola.....	187	4	45.0	+ 0.2	74	17	19	14	39	9.60	+ 4.66	4.64	T.	5	15	3	11	n.
Duck Hill.....	Montgomery.....	14	.....	46.2	- 1.2	78	17	23	14	38	9.27	+ 4.37	3.50	0	9	17	3	8	E. F. Farr.
Edwards.....	Hinds.....	222	26	49.2	- 0.2	75	28	20	14	38	5.15	- 0.28	2.03	0	7	11	8	9	ne.
Fayette.....	Jefferson.....	270	12	49.1	- 0.2	75	28	20	14	38	5.93	+ 1.50	3.20	T.	14	0	14	M. G. Harbison.	
Greenville.....	Washington.....	126	26	45.2	- 1.7	76	17	23	14	37	5.93	+ 0.47	2.78	0	8	9	5	14	J. H. Stephen.
Greenwood.....	Leflore.....	140	13	45.4	+ 0.2	76	17	23	14	40	9.70	+ 4.86	4.54	0.3	8	9	5	14	E. A. Jones.
Grenada.....	Grenada.....	124	4	42.0	+ 1.9	74	17	19	13	35	5.66	+ 1.19	2.98	0	7	17	3	8	W. F. Wood.
Hernando.....	De Soto.....	391	25	42.0	+ 1.9	74	17	19	13	35	5.02	.....	2.30	0	7	12	9	7	n.
Holly Springs.....	Benton.....	435	4	40.6	- 0.3	71	17	17	13	31	4.82	+ 0.63	2.26	T.	8	13	2	13	L. B. Mosby.
Kosciusko.....	Marshall.....	600	26	45.4	- 1.5	74	17	21	14	41	6.98	+ 0.47	2.38	0	6	14	5	9	ne.
Malone.....	Marshall.....	.....	4	45.4	.....	75	17	19	14	40	5.22	.....	2.38	0	7	12	14	M. J. Wilkins.	
Marks.....	Quitman.....	163	4	44.7	- 6.2	83	26	15	14	52	6.89	+ 2.20	1.70	0	6	11	3	14	T. P. Banister.
Natchez.....	Adams.....	206	26	44.7	.....	75	28	22	14	35	4.18	- 1.74	1.83	0	6	11	8	9	F. L. Garrity.
New Albany.....	Union.....	398	4	43.8	- 0.3	73	17	18	14	30	6.39	+ 1.92	3.00	0	7	6	19	3	nw.
Pontotoc.....	Pontotoc.....	475	24	43.8	.....	73	17	18	14	30	6.39	+ 1.92	3.00	0	7	14	3	11	Dr. C. W. Bolton.
Port Gibson.....	Claiborne.....	116	25	47.2	- 2.0	73	17	22	14	42	7.06	+ 2.17	2.67	0	7	14	3	11	H. H. Crisler.
Rosedale.....	Bolivar.....	143	5	43.4	.....	75	17	19	14	40	4.50	.....	2.05	T.	7	12	2	14	nw.
Senatobia.....	Tate.....	284	4	48.4	+ 0.3	74	17	22	14	34	5.95	+ 0.66	2.40	0	6	15	6	7	C. Brickell.
Shoecoe.....	Madison.....	120	26	48.4	+ 0.6	75	28	22	14	35	4.18	- 1.74	1.83	0	6	11	8	9	J. C. Pitchford.
Suffolk.....	Franklin.....	12	50.6	+ 0.6	75	28	22	14	35	4.18	- 1.74	1.83	0	5	16	3	9	Prof. Geo. H. Kent.	
Swan Lake.....	Tallahatchie.....	148	3	47.4	.....	74	17	25	14	33*	9.40	.....	5.30	T.	5	15	4	9	n.
Tchula.....	Holmes.....	130	3	47.4	.....	74	17	25	14	33*	9.40	.....	5.30	T.	5	15	4	9	Dr. M. P. Winkler.
University.....	Lafayette.....	502	20	42.4	- 1.6	71	17	17	13	29	5.62	+ 1.11	3.32	0.5	8	13	2	12	Dr. J. H. Dorroh.
Vicksburg.....	Hinds.....	287	9	49.0	.....	76	17	22	14	38	5.73	.....	2.14	0	8	13	2	12	se.
Water Valley.....	Warren.....	247	42	49.0	- 1.9	71	26	29	14	32	7.31	+ 2.70	2.94	0	9	9	8	11	U. S. Weather Bureau.
Woodville.....	Yalobusha.....	300	24	43.7	- 1.1	75	17	17	13	41	4.60	- 0.32	2.55	T.	4	15	4	9	Miss Loula Erikson.
Yazoo City.....	Wilkinson.....	560	20	50.8	+ 0.7	75	28	25	14	32	4.92	- 0.68	2.11	0	7	22	4	2	James E. Lee.
	Yazoo.....	116	19	46.9	+ 1.3	74	17	23	14	37	7.26	+ 2.49	3.26	0	4	16	0	12	W. H. Courts.
<i>Louisiana.</i>																			
Abbeville.....	Vermilion.....	18	25	53.6	- 1.3	76	28	28	14	32	5.01	+ 0.48	2.10	0	11	9	7	12	n.
Alexandria.....	Rapides.....	77	25	49.4	- 1.5	73	21	25	14	39	8.39	+ 2.25	2.60	0	6	11	5	17	Nellie Graham.
Amite.....	Tangipahoa.....	130	25	52.3	- 0.6	79	21	25	14	39	6.30	- 0.16	3.20	0	5	9	6	12	Lulu M. Wentz.
Antioch.....	Clairborne.....	1	46.4	.....	75	19†	22	14	38*	5.04	.....	2.66	0	10	16	0	12	W. L. Anglin.	
Avoes Island.....	St. Mary.....	9	2	45.4	.....	75	19†	22	14	38*	5.04	.....	1.00	0	6	15	8	5	J. N. Pharr & Sons (Ltd.).
Baton Rouge.....	E. Baton Rouge.....	60	25	53.8	+ 0.6	76	16†	28	14	34	3.88	- 1.00	1.38	0	7	13	2	13	Elmo M. Bott.
Burnside.....	Ascension.....	20	13	54.5 ^a	+ 1.2	75	27†	23	14	36 ^a	3.15	- 2.60	1.45	0	6	10	8	10	C. S. McFarland.
Burwood.....	Plaquemines.....	1	25	54.7	- 2.0	72	11	41	13†	22	8.37	+ 4.20	2.64	0	10	9	6	17	Graham Myers.
Cades.....	St. Martin.....	3	25	54.6	.....	76	18	26	14	36	4.12	.....	2.00	0	6	15	3	10	C. E. Smedes.
Calhoun.....	Ouachita.....	180	25	47.4	- 0.2	74	17	22	14	36	5.55	+ 1.00	2.00	0	8	10	5	13	N. La. Exp. Station.
Cameron.....	Cameron.....	6	20	50.4	- 4.2	75	28	24	14	35	1.45	- 1.84	0.72	0	3	13	8	7	Adolph Bruckert.
Carrollton.....	Oreleans.....	7	2	54.4	.....	76	11†	23	10	35	2.28	.....	0.68	0	9	14	0	14	Loyola College.
Cheneyville.....	Rapides.....	67	25	52.2	+ 1.2	75	28	23	14	36	3.98	- 1.30	1.05	0	6	16	2	10	Walter I. Tanner.
Cincclare.....	W. Baton Rouge.....	3	25	53.7	.....	75	28	23	14	32	3.60	.....	1.30	0	7	13	4	9	Cinclare Cent. Factory.
Clinton.....	East Feliciana.....	113	25	51.7	- 1.5	76	28	25	14	36	3.83	- 1.53	1.60	0	6	8	14	John A. White.	
Collinston.....	Morehouse.....	65	12	48.6	+ 1.0	73	18	23	13	46	7.09	+ 1.60	3.10	0	8	9	11	John B. Reily.	
Columbia.....	Caldwell.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	8	9	11	H. W. Blanks.
Covington.....	St. Tammany.....	39	21	52.7	+ 1.6	78	27	27	14	45	4.26	- 1.62	1.51	0	7	15	0	13	Cecile P. Champagne.
Dodson.....	Winn.....	4	48.9	.....	73	17†	24	14	34	6.42	.....	1.81	0	7	9	8	11	J. P. Lucas.	
Donaldsonville.....	Ascension.....	33	25	55.2	- 0.1	73	17†	29	14	38	5.70	+ 0.23	1.45	0	8	17	10	1	John F. Park.
Dutchown.....	do.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	4	13	11	10	Picard & Geismar (Ltd.).	
Farmerville.....	Union.....	177	25	54.7	.....	73	21	27	13	40	3.80	.....	1.30	0	8	7	15	A. L. Achor.	
Ferriday.....	Concordia.....	6	25	54.7	.....	73	21	27	13	40	3.80	.....	1.30	0	8	7	15	White Lake Land Co.	
Franklin.....	Vermilion.....	1	21	54.7	.....	73	21	27	13	40	3.80	.....	0.85	0	9	9	11	J. M. Bonney.	
Franklinton.....	St. Mary.....	10	21	54.3	+ 0.7	78	28	30	15	39	3.17	- 1.94	1.55	0	8	11	3	14	Herbert R. Babington.
Grand Cane.....	Washington.....	25	52.0	.....	78	28	24	14	41	5.31	.....	1.55	0	8	11	6	15	G. Foster Provost.	
Grand Coteau.....	De Soto.....	302	19	39.9	- 8.9	69	19	15	14	39	3.03	- 0.95	1.31	0	8	11	3	14	St. Charles College.
Hammond.....	St. Landry.....	93	21	53.2	- 1.4	76	28	26	14	33	2.32	- 2.53	0.85	0	13	7	6	5	C. C. Carr.

TABLE 1.—*Climatological data for February, 1913. District No. 7—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
<i>Louisiana—Continued.</i>																			
Paradis.....	St. Charles.....	20	2	2.90	0.98	4.23	1.00	0	12	15	0	0	13	n.	R. E. Boyce.				
Pearl River.....	St. Tammany.....	20	7	21	+ 0.1	77	26	23	14	42	4.23	+ 0.80	1.63	0	8	12	0	16	George F. Bancs.
Plain Dealing.....	Bossier.....	268	21	47.1	+ 0.2	75	21	27	14	33	2.67	- 2.42	0.62	T.	6	11	0	17	Leon Sanders.
Rayne.....	Acadia.....	44	21	53.4	+ 0.2	81	12	27	14	43	5.38	+ 0.62	2.40	0	8	11	9	8	A. P. McNeil.
Reserve.....	St. John Baptist.....	12	52.6	- 0.1	71	21†	30	14	29	7.75	—	—	3.60	0	8	16	2	10	Leon Godchaux Co.
Richland Plantation.....	Rapides.....	1	50.2	—	71	21†	30	14	29	7.75	—	—	3.60	0	7	13	0	15	A. B. Pendleton.
Robeline.....	Natchitoches.....	147	17	48.3	0.0	76	19	21	14†	44	5.88	+ 1.25	2.00	0	7	21	0	7	Anna R. McCook.
Ruston.....	Lincoln.....	312	18	48.2	- 0.1	77	19	23	11†	42	5.35	+ 0.68	2.15	0	7	21	0	7	Andor M. Larson.
St. Francisville.....	West Feliciana.....	115	10	49.6	—	70	22†	24	14	29e	2.48	—	0.84	0	8	16	6	6	G. W. Newman.
Schriever.....	Terrebonne.....	17	21	54.9	+ 0.6	79	21	29	15	49	2.95	- 2.14	1.05	0	5	14	4	10	William H. Gautreaux.
Shreveport.....	Caddo.....	249	42	47.4	- 2.6	75	26	29	13	30	3.95	+ 0.34	2.39	0.4	8	12	7	9	U. S. Weather Bureau.
Simmesport.....	Avoyelles.....	42	7	—	—	—	—	—	—	—	4.43	—	1.70	0	7	2	0	26	Cassius T. Leigh.
Southern Univ. Farm.....	Jefferson.....	16	—	—	—	—	—	—	—	—	3.05	—	1.98	1.20	0	9	12	6	F. L. St. Martin.
Sugartown.....	Calcasieu.....	20	52.7	+ 1.3	74	28	31	14	31	6.35	+ 0.56	1.68	0	5	10	14	4	G. W. Richardson.	
Tallulah.....	Madison.....	91	6	46.5	—	75	18	24	14	38	6.24	—	2.30	0	6	—	—	Neal T. Halt.	
Walker.....	Livingston.....	3	51.7	—	73	17	26	14	38	2.86	—	1.00	0	8	12	9	7	H. C. Fondren.	
Winnsboro.....	Franklin.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	J. C. Carlton.	

* b, e, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for February, 1913. District No. 7, Lower Mississippi Valley.*

Stations.	Watershed.	Day of month.																												Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
<i>Colorado.</i>																															
Buena Vista.....	Arkansas.....	T.	.....	.....	.....	.....	.....	.....	T.	.....	.07	.....	.....	.....	.....	.....	.....	.....	.....	*	.50	*	.18	.14	.....	T.	.....	.....	0.89
Calhan.....	Big Sandy.....	T.	.07	.....	.....	.....	.....	.....	.....	.05	T.	.....	.12	.....	.....	.....	.....	.....	.....	.....	.08	.36	.18	.04	.....	.....	.....	1.13	
Canon City |||.....	Arkansas.....	.19	.01	.....	.....	.....	.....	.....	.....	.02	.....	.01	.08	.....	.....	.....	.....	.....	.....	.....	.32	.48	.02	.07	.03	.....	.....	.....	1.25
Colorado Springs.....	Fountain.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cripple Creek.....	Oil Creek.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cuchara Camps.....	Cucharas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eads.....	Big Sandy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fairview.....	St. Charles.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.56
Fremont Experiment Station, |||.....	Fountain.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Garfield.....	Little Arkansas.....	.01	.08	T.0309	.1205	T.	.34	T.	.15	.12	.06	.19	.15	.18	1.54	
Hamps.....	Big Sandy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.07	.30	.06	.04	.13	.....	.....	.....	0.79
Hermit Lake.....	Grape Creek.....	.....	.52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.96	.72	.....	.....	.....	.....	.....	.....	3.56
Hoehne (near).....	Purgatoire.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Holly.....	Arkansas.....	2.00	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.91
Lake Moraine.....	Fountain.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lamar.....	Arkansas.....	.60	.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.22	.19	T.	.07	.....	.....	.....	.....	.....
Las Animas.....	do.....10	.50	0.68	
La Veta Pass.....	Cucharas.....31	1.60	
Leadville.....	Arkansas.....	.21	T.	T.03	.101401	T.	.01	.24	T.	.02	T.	.12	.12	.04	T.	1.47
Limon (near).....	Big Sandy.....15	T.	.06	.18	0.79	
Madrid.....	Purgatoire.....	.....	T.	.04	.....	.....	.....	.....	.....	.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.99
Marshall Pass.....	Arkansas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.20
Maxey.....	do.....	.....	.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.33
Monument.....	Fountain.....	.....	.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.78
North Lake.....	Purgatoire.....	.....	.46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.92
Pueblo.....	Arkansas.....	.06	.03	T.	T.	.01	.0101	.32	.42	.03	.09	.04	T.	.02	0.01	
Rocky Ford (near).....	do.....	.....	.12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.62
St. Elmo.....	Chalk Creek.....	*	.0303	.160404	.21	.04	.12	.17	.12	.36	.18	.30	1.80	
Salida |||.....	Arkansas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.14
Sheridan Lake.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stonewall.....	Purgatoire.....	.....	.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.52
Trinidad.....	do.....05	T.02	T.	.01	T.	.95	T.	.10	.03	.07	T.	.02	0.17	
Two Buttes.....	Arkansas.....	.30	.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.10	.10	.....	.....	.....	.....	.....	.....	0.74
Two Buttes Reservoir.....	do.....	.....	.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.00
Victor.....	Oil Creek.....	.....	.21	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.14	.25	.03	.....	.....	.....	.....	.....	0.73
Villas.....	Cimarron.....	.....	.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.32
Westcliffe.....	Grape Creek.....	.....	.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.45	T.	.10	.03	.06	.....	.....	0.68
Winfield.....	Clear Creek.....	.02	T.	.01	T.	T.	.20	.06	T.	T.	.03	.13	.22	0.04	T.	0.77
Woodman Sanatorium.....	Fountain.....	.29	T.	T.	T.	T.	.23	.42	T.	T.	1.12	
Wortman.....	Arkansas.....	.40	T.	T.	T.30	.10	.10	.13	T.	T.	T.	.05	.20	T.40	.10	.30	.10	0.85	
Yoder.....	do.....	.35	.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.85
<i>New Mexico.</i>																															
Abbott.....	Canadian.....	.07	.12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.12	.04	.....	.....	.....	.....	.....	0.39
Aurora.....	do.....	.05	.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.14	.14	.....	.....	.....	.....	.....	0.48
Bell Ranch.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.70	.20	.....	.....	.....	.....	.....	1.49
Black Lake.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.31	.17	.....	.....	.....	.....	.....	1.25
Cabeza.....	do.....	.....	.05	.04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.20	.02	.....	.....	.....	.....	.....	0.47
Campana.....	do.....	.....	.....	T.	.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.07	.02	.....	.....	.....	.....	.....	0.34
Chacon.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.38	.....	.....	.....	.....	.....	.....	0.60
Cimarron (near).....	do.....	.....	T.	.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.1.37	.30	.....	.....	.....	.....	.....	1.85
Clayton.....	Red.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.....	.....	.....	.....	.....	.....	.....	0.82
Cuervo.....	Canadian.....</																													

TABLE 2.—*Daily precipitation for February, 1913. District No. 7—Continued.*

Stations.	Watershed.	Day of month.																										Total.									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28								
<i>Texas—Continued.</i>																																					
Bonham.....	Red.....	.10					T.	T.		.14	.20	.10																		.19	1.62						
Canadian.....	Canadian.....	.20	.35		.02	.05	T.		.05	.25		T.																	.30	.12	0.97						
Childress.....	Red.....																														.08	1.30					
Chillicothe.....	do.....																														.25	1.90					
Clarendon |||.....	do.....	*	.10				T.	T.	T.	.30																			.07	0.70							
Clarksville.....	do.....																														.37	3.05					
Claude.....	do.....																														.41	0.90					
Dalhart |||.....	Canadian.....																														.04	.05					
Denison |||.....	Red.....																														.70	.02					
Finley |||.....	do.....																														.40	3.68					
Henrietta |||.....	do.....																														.05	0.47					
Jefferson |||.....	do.....																														.37	4.59					
Memphis.....	do.....																														.20	0.45					
Miami.....	Canadian.....	.20	.10	.20						.02																			T.	.05							
Ochiltree.....	do.....	.40	.40																											.20	.25	0.99					
Panhandle.....	do.....																														.40	0.80					
Paris |||.....	Red.....																														.10	2.64					
Plemons.....	Canadian.....	.21	.02	.22			T.	T.		T.	T.																		.04	.04	0.63						
Quanah |||.....	Red.....																														.15	0.56					
Ringo Crossing |||.....	do.....																														.23	3.48					
Romero.....	Canadian.....																														.20	0.76					
Sherman |||.....	Red.....																														.16	1.63					
Stratford.....	Canadian.....	.30	.10	.15																										.10	0.85						
Tulia.....	Red.....																														.25	0.91					
Wellington.....	do.....																														.70	1.42					
Wichita Falls.....	do.....																														.27	3.33					
Winfield.....	do.....																														.15						
<i>Kansas.</i>																																					
Alden.....	Arkansas.....	.03	.22		T.	T.																								.04	.38	.25	.20	.03	.07	1.22	
Anthony.....	do.....	.05	.49				T.	T.																						.31	.25	.34	.18	T.	.07	1.69	
Ashland.....	Cimarron.....	.30	.40																											.08	.07	.30	.25	.10		1.50	
Burlington.....	Neosho.....																														.19	.96	.75	.85	.07		3.86
Chanute.....	do.....																														.65	.70	.50	.41	T.	.28	5.06
Cimarron.....	Cimarron.....	.10	.10																											.10	.10	.62	T.	T.	.40	1.40	
Coffeyville.....	Verdigris.....																														.08	.05	.11	.03	.22	.71	2.71
Coldwater.....	Cimarron.....	.17	.30																											.15	.15	.11	.08	T.	.06	0.87	
Columbus.....	Neosho.....																														.45	.40	.22	.20	.04	.20	3.46
Coolidge.....	Arkansas.....	.15	.50																												.69	.137	.18	T.			1.88
Cottonwood Falls.....	Neosho.....																														.50	.58	.40	.52	.05	.20	2.60
Council Grove.....	do.....																														.26	.35	.26	.35	.09	.15	1.54
Cunningham.....	Arkansas.....																														.04	.38	.25	.20	.03	.07	1.22
Dodge City.....	do.....																														.05	.08	.04	.24	.01	.02	0.68
El Dorado.....	do.....																														.85	.35	.60	.70	T.	.10	3.00
Ellinwood.....	do.....																														.01	.16	.32	.20	.10	.13	1.38
Emporia.....	Neosho.....																														.77	.66	.30	.60	.02	.03	2.88
Eureka.....	Verdigris.....																														.05	.85	.70	.60	T.	.20	3.70
Fall River.....	do.....																														.40	.10	.50	.30	.25	.02	3.82
Fargo.....	Cimarron.....	.10	.20																											.10	.10	T.	T.	T.	T.	.50	
Fredonia.....	Verdigris.....																														.24	.13	.66	.79	.09	T.	.05
Garden City.....	Arkansas.....	.10	T.																												.20	.10	.60	T.	.05	.10	1.15
Great Bend |||.....	do.....																														.10	.04	.10	.20	.04	.06	0.96
Greensburg.....	do.....																														.30	.50	.10	.20	.10	.20	1.90
Grenola.....	Verdigris.....																														.35	.20	.50	.10	.20	.20	2.78
Howard.....	do.....																														.19	.82	.30	.17	T.	.05	3.07
Hutchinson.....	Arkansas.....																														.10	.40	.20	1.00	T.	.05	3.49
Independence.....	Verdigris.....																														.55	.125	.20	.05	.01	.17	2.84
Iola.....	Neosho.....																														.73	.68	.56	.31	.01	.11	2.93
Jetmore.....	do.....																														.03	.05	.28	.02	.01	.03	0.47
Kingman.....	do																																				

TABLE 2.—*Daily precipitation for February, 1918. District No. 7—Continued.*

TABLE 2.—Daily precipitation for February, 1913. District No. 7—Continued.

Stations.	Watershed.	Day of month.																												Total.												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													
Kentucky.																																										
Blandville.	Mississippi.	.45	.12								.21	.27																			.73 .58 .15	2.75										
Tennessee.																																										
Arlington.	Mississippi.																																									
Bolivar |||	do.	.24								.02	.06	1.83	.19																		4.00 .26	6.75										
Brownsville |||	do.	.72	.04						.07	.05	1.44	.10																				2.69 .15	5.38									
Covington |||	do.	.61	.10								T.	1.50																					1.75 .35	2.84								
Dyersburg |||	do.	.20	T.						.02	.80	.70																						T. 2.20 .65	4.55								
Jackson.	do.	.70								.60	.70																						1.40 1.15	4.97								
Kenton.	do.	T.	.45						T.	.06	1.08	.10																				2.15 .50	5.02									
Memphis.	do.	.02	.44																															2.70 .47	5.23							
Milan |||	do.	.86	.35								T.	1.52	.36																				10.98 .22	5.54								
Trenton.	do.	.50									.16																							1.72 .90	4.87							
Union City.	do.	.60									.20	.78																						1.53 1.15	4.43							
Arkansas.																																										
Alcia.	White	.35	T.								T.																							2.05 .95 .10	3.45							
Amity.	Ouachita								.05	1.13	.06																						1.32 .22	3.70								
Arkansas City |||	Mississippi.	.28									.14	1.41	.07																					3.58	5.90							
Batesville |||	White	.20	.08						.10		T.	.60	.30																					40 .38	2.42							
Bee Branch.	Arkansas	.10									T.	.65	.88																					45 .65	3.15							
Benton |||	Ouachita	.28									T.	.11	.01																					1.30 .48	4.64							
Bentonville.	Arkansas	.07	.30	.08								.12																							69 1.32 .05	3.00						
Bergman.	White	.09	.16																																	16	1.54					
Black Rock |||	do.	.09	.04									.31	.74																							03 .44	2.43					
Brinkley |||	do.	.90	T.						.01	.08	T.	T.	.25																							54 .24	2.43					
Calico Rock |||	do.	.10	T.																																			2.16 .40	5.46			
Camden |||	Ouachita	.02	1.11									.08																									1.86 .25	5.59				
Centerpoint.	Red	.50																																				25 .30	3.56			
Clarendon |||	White	.69	.01								T.	.08	.21	.90	.05																				T. 2.20 .30	4.82						
Conway.	Arkansas	T.	.22						.09			.02	1.00	.20																						.68 .40	3.41					
Corning.	White	T.	.27									.04	.23	.30																							.18 .06	2.21				
Dardanelle	Arkansas	.03	.09																																				40 .30	1.65		
Dodd City.	White	.05	.26																																					2.50 .40	5.53	
Dumas.	Arkansas	.15																																						.75 .70	4.52	
Dutton.	White	.06	.41																																					02 0.27 .15	4.32	
Eldorado	Ouachita	.02	.30	T.																																				33 .16	3.02	
England	Arkansas	.92																																						33 .22	5.12	
Eureka Springs.	White	.17	.20																																					33 .22	2.08	
Fayetteville.	do.	.43	.10																																					35 .16	2.58	
Fordyce.	Ouachita	.93																																						2.40 .28	5.78	
Fort Smith.	Arkansas	.04	.20	.11																																					39 .38	2.64
Fraziers Turnpike.	do.	.25	.12								T.	.15																											1.04 .16	4.59		
Fulton	Red	.74																																						38 .22	4.46	
Georgetown.	White	.42																																						1.50 .30	3.34	
Hardy.	do.	T.	.15																																					50 .30	1.92	
Helena	Mississippi	.17																																						39 .30	4.36	
Hot Springs.	Ouachita	.30																																						99 .50	3.39	
Huttig.	do.	.13																																						30 .20	3.91	
Jonesboro.	White	.25	.30																																					1.40 .70	5.40	
Junction.	Ouachita	.49	T.																																					39 .59	3.48	
Lake Farm.	Arkansas	.80																																						39 .60	5.10	
Lewisville.	Red	1.65	.25								T.	.20	1.05	.10																							27 .22	5.97				
Little Rock.	Arkansas	T.	.14	.12							.03	.05	.05	.10	.02																						73 .16	3.00				
Lutherville.	do.	.																																								

TABLE 2.—*Daily precipitation for February, 1913. District No. 7—Continued.*

Stations.	Watershed.	Day of month.																												Total.					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28						
<i>Mississippi—Continued.</i>																																			
Malone.	Yazoo.	.09	T.						T.	.15	.80	1.25																				5.22			
Marks.	do.	.46	1.70						T.		.60	1.66																				6.89			
Natchez.	Mississippi.								T.		T.																								
New Albany.	Yazoo.																																		
Pontotoc.	do.	1.00	.43					T.	.05		.60	.90																				6.39			
Port Gibson ||.	Mississippi.	.16	.89					T.		T.	.96	1.31																				7.08			
Rosedale ||.	Yazoo.	.10							T.			.20	1.35	.10																		4.50			
Senatobia.	do.																																		
Shoecoe.	Big Black.	.63	.71					T.			.12	1.42																				5.95			
Suffolk.	Mississippi.	.39	.39					T.		T.	.30	1.30	.13																		4.18				
Swan Lake ||.	Yazoo.	.38							.05	T.	* .50	T.																							
Tchula.	do.	.25	.10						T.																								9.40		
University.	do.	.18							.04	.06	.40	1.20																			5.62				
Utica.	Mississippi.	.74	.60								.24	1.20	.03																		5.73				
Vicksburg.	do.	1.41	.41					T.	T.	.01	.73	2.31	.01																		7.31				
Water Valley.	Yazoo.	T.	T.					T.	T.	.30		1.30																			4.60				
Woodville.	Mississippi.	.33	.13						.03			1.00																				4.92			
Yazoo City ||.	Yazoo.	T.	.56						T.			2.00	1.44																			7.26			
<i>Louisiana.</i>																																			
Abbeville.	Coast.	T.	.30	2.10					10.	.65		T.	1.10	.05	.10																5.01				
Alexandria ||.	Red.	.70	.40						T.			2.60	.80																			8.39			
Amite ||.	Coast.	.50	1.20						T.			T.	.80	.60																		6.30			
Antioch.	Red.	.58	.26						.06		.68	.35	.02																		5.04				
Avoca Island.	Coast.	.80							1.00			.65	.05	.30																	3.25				
Baton Rouge ||.	do.	.25	1.38	.36					.40			.80		.20																	3.88				
Burnside.	do.	.14	.45						.40			.96	.92	.77																	3.15				
Burrwood.	do.	.64	1.96					.40	.02		.87	.27	.03																		8.37				
Cades.	do.	.20	2.00						.60																								4.12		
Calhoun.	Ouachita.	.68	.22						.35		T.	.35	T.																			5.55			
Cameron.	Coast.	T.	T.						.72																								1.45		
Carrollton.	do.	.41	.29						.68			.13	.08	.42																		2.28			
Cheneyville ||.	Red.	.40	.70						.17		.70		T.																			1.05			
Cinclare.	Coast.	.35	1.30	.33						.08		T.	.62	T.	T.																	3.98			
Clinton ||.	do.	.07	.41	T.						.78	3.10																					3.60			
Collinston.	Ouachita.	.86	.22																														7.09		
Columbia.	Red.																																		
Covington ||.	Coast.																																	4.26	
Dodson.	Red.	.60	.35																															6.42	
Donaldsonville ||.	Coast.	.35	90	1.10							1.10																						5.70		
Dutchtown ||.	do.	.40	.50								.38																						1.88		
Farmerville.	Ouachita.	.90																																5.42	
Ferriday ||.	Coast.	.20	1.30	.20							.60																							3.80	
Franklin ||.	do.	.03	.38	.71					T.	.76																							3.17		
Franklinton.	Pearl.	.70	1.55						T.																									5.31	
Grand Cane ||.	Red.	.30	.24						.02		.09	.33	.16																			3.03			
Grand Coteau.	Coast.	.02	.04						.35	.03	.03	.85	.04																		2.32				
Hammond.	do.	.70	1.20																														2.97		
Houma ||.	Red.	.05	1.00	.05						.85																							3.00		
Jena.	Red.	.14	.41																																2.87
Jennings ||.	Coast.	.24	.10						.45																								2.16		
Lark.	Red.	.20	.80							.28	.75																						7.35		
Lafayette ||.	Coast.	.08	.86							.53																							3.02		
Lake Charles ||.	do.	.2	.05						.18																								5.03		
Lakeside.	do.								.16																								1.87		
La Rose (near).	do.								.65																										
Lawrence ||.	do.	.08	.84	.12					.07	.53																							2.82		
Leesville.	Sabine.																																		
Liberty Hill.	Red.	.40	.30							T.		1.10																					5.76		
Logansport ||.	Sabine.	.31								.08	.87	.18																				3.60			
Melville ||.	Red.	.20	.22	.03					.05		T.	.50	T.	T.																		2.77			
Merryville.	Sabine.																																		
Minden ||.	Red.	.20	.30																															3.87	
Monroe ||.	Ouachita.	.14	1.12							.02																							7.23		
Morgan City ||.	Coast.	T.</																																	

TABLE 3.—Maximum and minimum temperatures at selected stations for February, 1913. District No. 7, Lower Mississippi Valley.

Date.	Colorado.				New Mexico.				Texas.				Kansas.								Oklahoma.							
	Lamar.		Leadville.		Pueblo.		Albert.		Cimarron.		Amarillo.		Paris.		Dodge City.		Ellinwood.		Iola.		Liberal.		Wichita.		Ardmore.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1...	28	10	21	0	27	15	31	12	41	14	23	8	48	30	14	6	16	4	16	6	38	6	17	8	30	25	17	11
2...	23	4	21	-7	22	8	22	11	30	12	23	9	33	28	25	10	21	11	23	14	29	14	18	11	31	22	24	15
3...	22	-9	22	-5	26	0	32	8	42	-1	31	8	38	30	31	2	37	4	34	5	28	5	29	12	36	21	37	20
4...	20	-1	28	12	35	14	46	16	55	13	43	20	50	26	26	6	30	5	30	2	28	2	26	10	50	25	33	7
5...	18	-9	30	13	27	13	58	18	58	7	30	18	48	26	21	6	24	3	18	5	25	5	17	8	30	28	17	14
6...	25	-8	28	11	26	8	44	20	51	16	25	17	42	28	29	4	32	4	29	4	23	4	27	23	22	5	5	
7...	24	12	30	2	18	6	20	9	34	11	20	14	35	28	28	9	31	8	26	11	27	11	22	12	32	22	37	14
8...	25	-4	34	7	34	4	44	12	49	9	27	8	46	25	31	4	39	5	35	8	32	8	28	11	38	18	37	13
9...	45	6	34	9	47	16	55	26	50	20	39	25	41	25	49	18	43	17	37	19	60	19	33	21	44	32	40	20
10...	49	15	34	5	52	19	53	10	50	11	54	29	47	36	56	21	56	19	39	33	54	33	38	30	48	36	37	34
11...	40	21	27	0	35	20	49	13	43	21	33	25	46	41	34	16	44	18	38	20	52	20	38	34	44	42	39	30
12...	36	15	26	-2	41	12	53	12	38	12	39	22	45	26	41	14	33	8	29	15	45	15	31	18	44	26	34	20
13...	50	17	23	-5	46	17	56	16	44	4	49	26	49	26	51	21	50	18	43	15	53	15	42	19	23	43	18	
14...	61	21	30	5	60	23	60	20	61	7	61	27	58	26	63	21	65	19	56	23	66	23	54	28	59	26	59	
15...	56	28	32	7	59	20	58	22	54	18	56	32	68	28	60	30	61	26	53	33	57	35	66	34	67	34		
16...	66	21	40	7	61	22	67	24	62	21	66	34	72	32	69	28	73	29	68	33	70	33	69	35	70	36	71	34
17...	69	25	38	16	67	25	61	23	68	25	70	31	74	38	68	30	74	26	72	31	69	42	75	39	77	44		
18...	57	30	38	18	56	33	60	22	59	29	71	41	72	42	63	34	70	35	69	96	73	46	70	47	74	46	73	47
19...	51	31	23	5	33	22	49	22	51	21	48	30	65	45	44	25	57	30	56	34	68	34	58	30	73	54	60	44
20...	37	19	11	-8	22	15	35	21	42	19	32	21	71	49	25	19	35	20	34	31	45	31	31	26	58	44	44	
Mns.	36.8	12.0	26.8	3.7	36.7	12.4	46.5	15.6	45.6	12.5	42.1	21.1	52.8	31.9	36.3	13.4	39.4	13.2	38.0	17.7	45.9	17.7	35.3	18.5	48.7	31.0	42.3	24.9

Date.	Oklahoma.								Missouri.								Blandville, Ky.				Jackson, Tenn.						
	Enid.		McAlester.		Mangum.		Musko-gee.		Oklahoma.		Weatherford.		Woodward.		Caruthers-ville.		Ironton.		Lamar.		Olden.		Springfield.		Blandville, Ky.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
1...	30	12	42	19	56	19	26	16	20	12	30	10	20	10	40	15	21	3	22	7	.....	18	4	23	11	42	20
2...	19	9	31	21	21	13	30	15	18	14	18	11	19	10	34	20	30	15	28	7	.....	25	15	33	19	39	24
3...	31	1	34	22	20	15	36	22	28	14	38	13	35	0	35	31	31	22	36	22	.....	31	21	31	25	42	33
4...	32	8	44	33	27	17	43	16	39	12	34	11	26	3	47	27	41	1	37	2	.....	31	15	34	11	44	26
5...	22	10	33	23	21	17	24	18	23	15	27	13	24	10	40	25	20	13	17	4	.....	25	8	28	16	44	26
6...	26	5	26	21	30	19	25	18	20	15	21	13	24	-4	30	18	31	3	29	1	.....	24	6	28	12	35	20
7...	28	6	33	21	27	16	30	17	25	16	24	16	28	10	39	22	32	9	31	3	.....	25	11	33	17	32	21
8...	33	18	41	18	40	19	40	17	32	12	34	11	37	6	42	23	40	6	36	9	.....	33	13	38	23	42	24
9...	45	25	43	28	40	36	43	20	41	25	39	24	39	23	42	23	39	9	37	12	.....	33	21	41	25	44	24
10...	48	28	47	38	50	32	45	30	46	34	44	28	49	17	43	35	40	31	40	27	.....	41	32	42	34	44	38
11...	32	10	46	35	56	19	38	35	44	27	43	27	41	25	44	34	35	32	33	27	.....	35	22	42	28	56	32
12...	38	20	42	23	54	17	38	23	37	21	39	20	38	17	38	23	28	15	29	17	.....	26	15	29	18	37	23
13...	50	30	45	20	31	20	47	21	46	22	49	22	52	22	53	24	38	15	34	1	.....	37	13	31	10	33	14
14...	61	31	33	59	30	27	57	22	58	28	59	28	62	25	54	24	52	19	52	19	.....	49	29	47	20	50	18
15...	64	35	65	36	49	32	62	30	59	32	61	32	62	32	60	30	59	22	55	30	.....	51	35	54	32	56	29
16...	66	35	73	37	67	32	71	34	70	38	73	35	72	31	66	34	63	30	64	34	.....	61	38	58	33	55	30
17...	73	36	76	44	65	40	70	34	71	40	72	39	71	37	70	33	72	38	69	44	67	45	73	38			
18...	69	35	72	49	80	30	72	43	72	43	75	45	78	44	71	39	69	28	70	43	.....	67	46	69	44	70	47
19...	52	28	67	55	75	30	62	49	53	36	69	39	70	33	73	45	68	60	47	57	.....	61	38	67	48	70	39
20...	36	22	60	41	34	27	49	41	37	32	44	27	42	27	71	42	55	41	40	34	.....	51	35	64	45	69	40
21...	34	18	47	37	32	25	42	38	33	29	36	26	30	23	65	50	57	35	47	34	.....	54	30	64	49	65	51
22...	36	17	46	26	25	21	41	25	33	18	34	11</td															

TABLE 3.—Maximum and minimum temperatures at selected stations for February, 1913. District No. 7—Continued.

Date.	Tennessee.				Arkansas.												Mississippi.											
	Kenton.		Memphis.		Bentonville.		Dardanelle.		El Dorado.		Fort Smith.		Hardy.		Little Rock.		Pine Bluff.		Texarkana.		Wynne.		Clarksville.		Corinth.		Greenville.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.	41	15	39	22	21	10	39	24	47	34	30	21	38	11	29	23	34	30	46	32	50	21	38	31	32	24	46	34
2.	44	21	40	25	30	17	33	24	39	31	30	23	30	19	34	25	39	28	36	27	55	26	41	29	44	24	43	33
3.	37	30	40	32	36	19	38	29	42	32	32	26	33	26	40	31	43	29	45	31	38	32	40	22	42	26	42	34
4.	40	34	39	32	40	11	36	26	45	32	36	26	39	15	38	32	38	32	46	27	40	31	37	34	45	32	41	35
5.	37	23	39	30	27	11	40	25	50	27	34	26	33	19	41	30	47	29	45	27	40	25	50	26	48	27	51	29
6.	29	16	31	23	24	9	41	30	53	30	30	26	30	12	34	23	33	29	42	28	39	22	37	27	32	22	41	32
7.	31	19	32	27	30	14	38	24	36	27	37	23	34	17	37	24	39	27	40	27	35	29	34	22	36	30		
8.	38	21	41	27	38	17	43	26	38	28	40	23	42	23	47	27	39	27	38	28	41	26	44	27	44	24	43	29
9.	22	40	32	38	22	39	26	46	26	30	29	38	22	41	30	41	26	42	28	40	26	44	28	46	24	47	29	
10.	44	51	37	45	34	45	34	59	32	42	36	40	33	45	38	46	34	50	36	58	29	52	24	59	37			
11.	47	34	51	38	41	22	45	38	49	43	45	30	41	31	46	33	58	34	49	37	44	43	48	42	52	38	52	45
12.	35	22	33	26	32	18	42	27	43	30	40	26	36	18	38	27	40	26	46	29	36	26	41	30	34	24	42	32
13.	31	12	32	20	42	16	44	21	43	25	44	23	38	11	43	23	39	25	57	25	35	20	37	22	34	16	39	26
14.	47	27	48	28	52	28	56	23	55	23	55	26	54	21	55	26	57	22	63	30	50	22	52	22	50	16	53	23
15.	56	32	57	37	56	35	64	28	64	28	61	33	62	35	62	34	64	22	67	32	60	24	56	18	62	26		
Mnss.	48.7	28.7	48.9	35.0	43.5	24.5	52.8	31.2	55.7	34.0	47.3	30.9	47.2	28.0	50.6	34.1	52.4	32.0	54.7	33.0	50.8	32.5	52.8	33.3	51.6	30.4	54.9	35.5

Date.	Mississippi.						Louisiana.												Shreveport.											
	Kosciusko.		Natchez.		Vicksburg.		Alexandria.		Baton Rouge.		Covington.		Lafayette.		Lake Charles.		Monroe.		New Orleans.		Robeline.		Schriever.							
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.	50	29	54	32	53	41	57	35	58	35	62	34	59	36	74	39	52	34	55	44	56	26	60	41	50	36				
2.	55	31	55	32	46	35	50	35	63	43	66	35	62	40	72	38	43	34	60	51	45	30	74	42	40	32				
3.	49	33	45	47	50	41	48	40	62	59	67	46	58	45	70	39	44	39	72	47	50	26	72	56	44	35				
4.	60	33	44	30	43	36	55	38	64	64	71	37	61	39	57	37	75	38	43	38	57	43	58	28	60	40	54	31		
5.	55	28	57	23	52	33	55	33	65	35	65	36	59	36	74	37	52	31	58	39	65	23	74	32	49	30				
6.	43	29	50	24	46	38	57	33	59	41	62	35	59	37	72	33	49	35	58	45	52	33	62	46	50	37				
7.	37	30	38	29	41	35	40	37	43	42	44	41	44	41	71	32	38	32	50	57	37	35	35	54	40	38	30			
8.	46	29	48	24	45	34	48	30	56	36	58	36	52	35	60	31	46	30	51	38	43	30	52	38	40	29				
9.	54	26	58	21	54	34	60	32	58	39	56	33	58	34	62	28	54	30	54	40	55	27	58	40	49	31				
10.	61	32	62	30	62	70	70	32	74	49	71	35	72	38	61	29	64	47	71	49	63	37	72	48	59	44				
11.	62	45	54	45	64	44	73	50	64	59	72	48	69	52	65	28	62	57	75	56	64	49	78	51	56	42				
12.	43	29	42	31	44	36	48	40	54	45	58	46	52	44	68	25	46	34	56	45	46	36	53	49	45	32				
13.	38	23	38	22	41	29	47	34	41	36	43	37	45	37	69	27	43	29	45	35	47	31	41	39	46	29				
14.	52	21	49	15	49	29	54	27	57	52	56	27	55	27	70	29	54	25	50	34	58	21	53	30	55	30				
15.	59	25	60	18	58	36	62	26	64	31	61	27	62	28	75	30	65	30	57	38	62	21	63	29	66	36				
16.	68	27	70	33	67	44	70	31	76	42	73	28	70	37	78	39	71	39	67	44	74	30	72	32	71	45				
17.	74	37	71	36	70	50	70	40	71	40	73	34	71	40	77	40	76	38	73	48	74	39	74	37	72	49				
18.	72	36	70	32	68	47	71	40	63	45	65	39	64	42	75	38	73	41	72	48	73	38	70	38	70	45				
19.	65	38	69	33	70	50	73	42	71	51	62	46	74	49	89	35	74	46	60	54	76	39	71	49	71	52				
20.	59	43	61	38	63	47	72	47	65	50	76	53	68	46	88	46	88	46	75	75	46	72	49	72	49	72	52			
21.	65	50	58	40	66	52	69	46	74	53	74	53	74	47	87	45	62	52	77	54	68	53	79	52	65	43				
22.	60	40	57	35	54	41	50	39	65	43	70	45	64	42	85	43	57	37	65	52	65	34	70	50	52	35				
23.	65	41	69	34	65	44	70	39	69	41	72	42	72	43	83	41	68	42	64	49	71	33	73	44	65	43				
24.	45	34	59	33	50	39	59	40	66	44	68	45	62	44	81	40	52	36	62	49	69	38	66	42	53	32				
25.	60	27	67	25	65	33	66	37	67	68	37	65	39	80	33	66	35	63	41	70	36	69	40	64	39					
26.	70	30	83	31	71	54	71	37	72																					